

I claim:

- 1 1. A system for processing waste comprising:
  - 2 a. a waste sludge comprising solid waste and liquid;
  - 3 b. at least one geotextile container for filtering at least some of the liquid from the  
4 waste sludge;
  - 5 c. at least one connector for transporting the waste sludge into the at least one  
6 geotextile container; and
  - 7 d. a liquid reservoir for collecting the liquid filtered from the at least one geotextile  
8 container.
- 1 2. The system of claim 1, wherein the system further comprises a waste reservoir for  
2 collecting the waste sludge and wherein the at least one connector transports the waste sludge  
3 from the waste reservoir and into the at least one geotextile container.
- 1 3. The system of claim 1, wherein the at least one connector comprises a pipe.
- 1 4. The system of claim 1, further comprising at least one regulator for controlling flow of  
2 the waste sludge into the at least one geotextile container.
- 1 5. The system of claim 1, wherein the at least one regulator comprises a valve.
- 1 6. The system of claim 1, wherein the at least one geotextile container comprises an at  
2 least partially liquid permeable material.
- 1 7. The system of claim 1, wherein the material comprises fabric.
- 1 8. The system of claim 6, wherein the at least one geotextile container comprises an inner  
2 layer and an outer layer of material.
- 1 9. The system of claim 1, further comprising a barrier defining an area in which the at least  
2 one geotextile container may be positioned.

1 10. The system of claim 1, further comprising a liner positioned under the at least one  
2 geotextile container.

1 11. The system of claim 1, further comprising a three-dimensional drainage net positioned  
2 under the at least one geotextile container.

1 12. The system of claim 1, wherein the liquid reservoir is positioned substantially adjacent  
2 the at least one geotextile container.

1 13. The system of claim 1, wherein the at least one geotextile container comprises a primary  
2 geotextile container and a secondary geotextile container and the at least one connector  
3 comprises a primary connector and a secondary connector, wherein the primary connector  
4 transports waste sludge into the primary geotextile container and wherein the secondary  
5 connector transports liquid filtered by the primary geotextile container into the secondary  
6 geotextile container.

1 14. The system of claim 1, wherein the at least one geotextile container comprises at least  
2 two geotextile containers, wherein the system is adapted to simultaneously feed the waste  
3 sludge into the at least two geotextile containers.

1 15. The system of claim 1, wherein the at least one geotextile container is self-supporting.

1 16. The system of claim 1, further comprising:  
2 at least one chemical conditioner for imparting a charge to a portion of the solid waste in  
3 the waste sludge;  
4 at least one polymer carrying an opposite charge to that imparted by the at least one  
5 chemical conditioner to aid in coagulation of the solid waste in the waste sludge.

1 17. A method of processing waste comprising:  
2 a. feeding waste sludge comprising solid waste and liquid into at least one  
3 geotextile container;  
4 b. removing at least some of the liquid from the waste sludge using the at least one  
5 geotextile container; and

6           c.       collecting the liquid removed from the waste sludge.

1   18.    The method of claim 17, wherein the waste sludge is fed into the at least one geotextile  
2   container through a connector.

1   19.    The method of claim 17, wherein removing at least some of the liquid comprises  
2   allowing the liquid to permeate through the geotextile container.

1   20.    The method of claim 17, wherein the at least one geotextile container comprises a  
2   primary and a secondary geotextile container and the waste sludge is fed into the primary  
3   geotextile container, wherein the method further comprises feeding the collected liquid into the  
4   secondary geotextile container.

1   21.    The method of claim 17, wherein the at least one geotextile container comprises at least  
2   two geotextile containers and the waste sludge is fed simultaneously into the at least two  
3   geotextile containers.

1   22.    The method of claim 17, further comprising controlling flow of the waste sludge into the  
2   at least one geotextile container.

1   23.    The method of claim 17 wherein the at least one geotextile container is self-supporting.  
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1   24.    The method of claim 17, further comprising:

2        adding at least one chemical conditioner for imparting a charge to a portion of the solid  
3   waste in the waste sludge to the waste sludge before feeding the waste sludge into the at least  
4   one geotextile container;

5        adding at least one polymer carrying an opposite charge to that imparted by the at least  
6   one chemical conditioner to aid in coagulation of the solid waste in the waste sludge to the  
7   waste sludge before feeding the waste sludge into the at least one geotextile container.  
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1   25.    A system of processing waste comprising:

2        a.       a waste sludge comprising solid waste and liquid;

3        b.       a waste reservoir for collecting the waste sludge;

- 4           c.       at least one geotextile container for filtering at least some of the liquid from the  
5 waste sludge, wherein the at least one geotextile container comprises an at least partially liquid  
6 permeable material;
- 7           d.       at least one pipe for transporting the waste sludge from the waste reservoir and  
8 into the at least one geotextile container; and
- 9           e.       a liquid reservoir located substantially adjacent the at least one geotextile  
10 container for collecting the liquid filtered from the at least one geotextile container.